Use Attainability Analysis

for

WBID 1445 L. Pomme de Terre River

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

Date Received: July 19, 2005



F005 o 1 101

Data Sheet A - Water Body Identification

MUTE 15 (2012) 25/2014 18 (2014) 18 (2014)

Water Body Na	ame (from USGS 7.5' quad): L. Poma otterro R
8-digit HUC:	10290107
Missouri WBII	
County:	Polk + Green
Upstream Lega	al Description: 25-31 2
Downstream L	egal Description: -3
Upstream Coor	rdinates: 6483794 4137945
Downstream C	oordinates: 0479606 414399
Discharger Fac	cility Name(s):
Discharger Per	mit Number(s):
Number of Site	es Evaluated: 5
Name of Surve	eyor and Telephone Number: 1-tender se
Organization:	ONR
Position:	S <i>S</i>
the undersigned tasheet is true a	0 1 0
mod.	Talderle 122/05

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Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	445~		Site Location De	escription:				
Site GPS Coordinates:		7945						
m . 0 m:	22105		Facility Name:					
Personnel:	whores		Permit Number:	Permit Number:				
Current Weather Condit	ions:		Weather Conditi	Weather Conditions for Past 7 days:				
Photo Ids: Upstream	Down	nstream: سر	(n 1405-1 Other	r:				
	11117		7 17 11					
es Observed*:					···			
Swimming	Skin diving	□ so	CUBA diving	Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	□Во	oating	Wading	Rafting			
Hunting	☐ Trapping	☐ Fi	shing	None of the above	Other:			
Describe: (include numb	of of prividuals fee	reaung, noqi	iency of use, photo-	documentation of evidence	or reoreacionar asos, etc.			
errounding Condition				ises. Attach photos of evide	90			
errounding Condition	ns*: (Mark all that p	promote or in	npede recreational u	ises. Attach photos of evide	ence or unusual			
errounding Condition ms of interest.) City/county parks	ns*: (Mark all that p	promote or in	npede recreational u onservation lands	ises. Attach photos of evide	ence or unusual			
errounding Condition	ns*: (Mark all that p	promote or in	npede recreational u onservation lands Il forests	ises. Attach photos of evide	ence or unusual			
errounding Condition ms of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that purchase) Playgrounds State parks Fence	oromote or in MDC c	npede recreational u onservation lands Il forests	ises. Attach photos of evide Urban areas Nature trails	ence or unusual			
errounding Condition ms of interest.) City/county parks Boating accesses	ns*: (Mark all that purchase) Playgrounds State parks Fence	oromote or in MDC c Nationa	npede recreational u onservation lands Il forests	ises. Attach photos of evide Urban areas Nature trails	ence or unusual			
errounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC c National Steep sl	npede recreational u onservation lands Il forests lopes	ses. Attach photos of evide Urban areas Nature trails Other:	nce or unusual Campgrounds Stairs/walkway			

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Data Sheet B - Site Characterization

Page Two - WBID # 1445-1

Riffle Width	(ft):	Leng	gth (ft):		Avg. Depth (f	ft):		Max. Depth	(ft):	
Run Width	(ft):	Len	gth (ft):		Avg. Depth (f	ft):	163	Max. Depth	(ft):	
Pool Width	(ft): 19	Leng	gth (ft):	60	Avg. Depth (ft): 1		Max. Depth	(ft): =	5
Flow Presen	A CONTRACT OF THE PARTY OF THE	□ No		0	Estimated (ft ³	³/sec):				
ownstream Vi	w Physic:	al Dimen	isions:					- 2	3 0	Vav. 1 % L G
☐ Riffle Width			gth (ft):		Avg. Depth (ft):		Max. Depth	Unadas -	
Run Width	(ft):	Len	gth (ft):		Avg. Depth (ft):		Max. Depth	(ft):	
Pool Width			gth (ft):	E 0	Avg. Depth (,		Max. Depth		
Flow Preser		☐ No	8 ()-	30	Estimated (ft				()-	
de										
strate*: (These		d add up to % Gravel		% San	4	% Si	+ 0,	6 Mud/Clay	35	% Bedrock
	-01									
uatic Vegetatio	1*: (note am	nount of ve	egetation	or algal gro	wth at the asses	ssment s	ite)			
ter Characteri	NOAN tics*: (Ma	rk all that a	apply.)							
ter Characteri	NOAN tics*: (Mar □ Sewage	rk all that a	apply.) Musky	_ □ Cı	hemical	⊅ Nor	ne	Other:		
ter Characteri Odor: Color:	tics*: (Ma	rk all that a	apply.) Musky Green	□ Cl	nemical	D*Non ☐ Mil	ne ky	Other:		
e r Characteri Odor: Color: Bottom Deposit:	NOAN tics*: (Mar □ Sewage	rk all that a	apply.) Musky	Cl Gr	hemical	⊅ Nor	ne ky ne	Other:		
ter Characteri	tics*: (Man Sewage Clear Sludge Oil attach add to be used anding of war on use analyst	itional co	Musky Green Solids Scum ommen removal cons. Con y point to	Characteristics of a recreation sequently, to conditions at of my known to the conditions are the conditions at the conditions are the conditions at the conditions are the conditions at the conditions are the condi	ne sediments oam ng informational use design this information that need furth nowledge, the	Non Mil Non ion from lation but n is not iter analyst	ne ky ne ne ne ne trather is to ntended to osis or that ef	Other: ot	form. ore ence a use. ed on t	

WBID 1445-Downstream #1



WBID 1445-Upstream #1



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	145-2		Site Location De	escription:			
Site GPS Coordinates:	483805 413	8352	er	20			
Man and the second	2105		Facility Name:				
Personnel:	davea		Permit Number:				
Current Weather Conditi	ions: cheer	_	Weather Conditions for Past 7 days:				
Photo Ids: Upstream	An 1445-2 Dow	nstream: ω	BD 1445-2 Other				
	201913						
s Observed*:				The state of the s			
Swimming	Skin diving	□ sc	CUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	□Во	oating	Wading	Rafting		
Hunting	☐ Trapping	Fi	shing	None of the above	Other:		
			or use, photo	documentation of evidence	or recreational uses, ea		
rounding Condition				uses. Attach photos of evider			
rounding Condition		promote or in					
rounding Conditions of interest.)	ns*: (Mark all that p	promote or in	npede recreational t	uses. Attach photos of evider	nce or unusual		
rounding Conditions of interest.)	ns*: (Mark all that p	promote or in	npede recreational u onservation lands al forests	uses. Attach photos of evider	nce or unusual		
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in	npede recreational u onservation lands al forests	uses. Attach photos of evider Urban areas Nature trails	nce or unusual		
rounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC c Nationa	npede recreational u onservation lands al forests	uses. Attach photos of evider Urban areas Nature trails	nce or unusual		

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Data Sheet B - Site Characterization

Page Two - WBID #1445: - 2

Stream Mor									
			imensions:		D 1 (0)			(0)	
Riffle	Width (ft):		Length (ft):		vg. Depth (ft):		Max. Depth		
Run	Width (ft):		Length (ft):	A	vg. Depth (ft):		Max. Depth	(ft):	
Pool	Width (ft):	50	Length (ft):	50 A	vg. Depth (ft):	1	Max. Depth	(ft):]	
ズ Flow	Present?	X Yes	☐ No	E	stimated (ft ³ /se	ec):			
Downstre	am View	Physica	Dimensions:						
Riffle	Width (ft):		Length (ft):	A	vg. Depth (ft):		Max. Depth	(ft):	
Run	Width (ft):		Length (ft):	A	vg. Depth (ft):		Max. Depth	(ft):	
Pool	Width (ft):	15	Length (ft):	50 A	vg. Depth (ft):	82	Max. Depth	(ft):	
Flow	Present?	Yes Yes	□ No	E	Estimated (ft ³ /so	ec):			() ·
C 1 4 4 4	/mi								
	Cobble		add up to 100%.) % Gravel	% Sand	1	% Silt	% Mud/Clay	80 %	Bedrock
70 %	COUDIC		70 Glavel	70 Sand		70 5111	70 Midd Clay	00 70	Dearock
Water Char	acteristic	s*: (Marl	c all that apply.)						
Odor:		Sewage	Musky	Che	mical	None	Other:		
Color:	-	Clear	Green	☐ Gray		Milky	Other:	DWSI	
Bottom De	posit:	Sludge	☐ Solids	☐ Fine	sediments [/	None	Other:	2 %	
Surface De	posit:	Oil	Scum	☐ Foar	n [2	None	Other:		
*This informaticomprehensive decision on the I, the underdatasheet is	on is not to understand recreation u	be used soing of wat use analys	olely for removal er conditions. Co is but may point to firm to the beste.	of a recreation nsequently, this conditions the st of my know	al use designation is information in at need further owledge, that	ion but rathe s not intende analysis or t at all infor	r is to provide a med to directly influent effect another mation report	nore sence a use.	UAA
Signed:Organization	i: Di	Hole JR		16	Date: Position:	554	·		

WBID 1445-Downstream #2







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 140	15-3		Site Location Description:				
Site GPS Coordinates:		PLIS	CR 193				
	122105		Facility Name:				
Personnel: 15	~~1		Permit Number: Weather Conditions for Past 7 days: e \				
Current Weather Conditi	ions:						
Photo Ids: Upstream		nstream 8					
~ ~ ~	7417	OP O	014071				
s Observed*:				190			
Swimming	Skin diving	□ SC	UBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	Во	ating	Wading	Rafting		
Hunting	Trapping	Fis	hing	None of the above	Other:		
Describe: (include numb	er of individuals rec	reating, frequ	ency of use, photo-	documentation of evidence			
rounding Condition				documentation of evidence	of recreational uses, etc		
rounding Condition		promote or im			of recreational uses, etc		
rounding Conditions of interest.)	ns*: (Mark all that p	promote or im	npede recreational u	uses. Attach photos of evide	of recreational uses, etc		
rounding Conditions of interest.)	ns*: (Mark all that p	promote or im	npede recreational u onservation lands I forests	uses. Attach photos of evide	nce or unusual		
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that parks Playgrounds State parks Fence	oromote or im	npede recreational u onservation lands I forests	uses. Attach photos of evide Urban areas Nature trails	nce or unusual		
rounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that parks Playgrounds State parks Fence	oromote or im MDC co	npede recreational u onservation lands I forests	uses. Attach photos of evide Urban areas Nature trails	nce or unusual		

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Data Sheet B - Site Characterization

Page Two - WBID # 1445:-3

Stream Morpho Upstream Vie		imensions:					
Riffle Wi	dth (ft):	Length (ft):	1	Avg. Depth (f	ft):	Max. Depth	(ft):
Run Wi	dth (ft):	Length (ft):		Avg. Depth (f	ft):	Max. Depth	(ft):
Pool Wi	dth (ft): 30	Length (ft):	150	Avg. Depth (f	ft): 15	Max. Depth	(ft): 2
Flow Pre	sent? Yes	□ No		Estimated (ft ³	/sec):		
Downstream	View Physics	l Dimensions:					
	dth (ft):	Length (ft):		Avg. Depth (f	ft):	Max. Depth	(ft):
	dth (ft): 30	Length (ft):		Avg. Depth (i		Max. Depth	- Market
	dth (ft):	Length (ft):		Avg. Depth (Max. Depth	(ft):
	esent? Yes	□No		Estimated (ft ³		•	
Substrate*: (Th							
40 % Co	bble 60	% Gravel	% Sand		% Silt	% Mud/Clay	% Bedrock
Water Charact	eristics*: (Mar		□ Che	mical	None None	Other:	
Color:	Clear	Green	Gra		Milky	Other:	0 0 1
Bottom Deposi	7-2	Solids		sediments	None None	Other:	Y. Y.
Surface Depos		Scum	Foa		None None	Other:	
*This information is comprehensive und decision on the recruit, the undersign	s not to be used s erstanding of wa eation use analys	olely for removal of ter conditions. Con is but may point to	of a recreation asequently, the conditions the	al use design is information at need furth	ation but rathe n is not intende er analysis or	er is to provide a med to directly influ	nore ence a
datasheet is tru			t of my kin	o meage, o		mation report	ou ou mis orni
Signed:	12 D	La		Date:	6/27	203	
Organization:	DUR			Position	n:S	54	

WBID 1445-Downstream #3



WBID 1445-Upstream #3



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

The second secon	445-4		Site Location Description:				
Site GPS Coordinates: C		143236		2R22			
Date & Time: 6	122/05		Facility Name:				
Personnel:	Idansar		Permit Number:				
Current Weather Conditi	ions: cleer	-	Weather Conditions for Past 7 days:				
Photo Ids: Upstream:		vnstream w B					
	0144291	ωρ.	V1745 11				
s Observed*:				5 x 5x -			
Swimming	Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	Во	ating	Wading	Rafting		
Hunting	☐ Trapping	☐ Fis	shing	None of the above	Other:		
1 de olg	1 4 wheel	ier to	nack				
rounding Condition				uses. Attach photos of eviden	nce or unusual		
rounding Condition		promote or im		uses. Attach photos of eviden	nce or unusual		
rrounding Conditions of interest.)	ns*: (Mark all that p	promote or im	npede recreational u		The second secon		
rounding Conditions of interest.)	ns*: (Mark all that p	promote or im	npede recreational u onservation lands I forests	Urban areas	☐ Campgrounds		
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p	promote or im	npede recreational u onservation lands I forests	☐ Urban areas ☐ Nature trails	☐ Campgrounds		
rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p	Dromote or im ☐ MDC co ☐ National ☐ Steep sle	npede recreational u onservation lands I forests	☐ Urban areas ☐ Nature trails	☐ Campgrounds		
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that parks State parks Se*:	Dromote or im MDC co National Steep slo	npede recreational unservation lands I forests opes	Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway		

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Data Sheet B - Site Characterization

Page Two - WBID #1445:- 9

Stream Mor Upstream		sical D	imensions:								
Riffle	Width (ft):		Length (ft):		Avg, Depth (ft):		M	ax. Depth	(ft):	
Run	Width (ft):		Length (ft):		Avg. Depth (ft):		М	ax. Depth	(ft):	
⊠ Pool	Width (ft):	45	Length (ft):	345	Avg. Depth (ft):	१र्द	М	ax. Depth	(ft): 3	37
Flow	Present?	∑ Yes	☐ No		Estimated (ft	3/sec	c):				
Downstre	am View I	Physica	l Dimensions:								
Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		M	ax, Depth	(ft):	
X Run	Width (ft):	15	Length (ft):	60	Avg. Depth (ft):	축	M	ax. Depth	(ft): 🕺	
☐ Pool	Width (ft):		Length (ft):		Avg. Depth (ft):		М	ax, Depth	(ft):	
⊠ Flow	Present?	Ŋ Yes	□ No		Estimated (ft	3/sec	c):				
20 %	6 Cobble	50	add up to 100%.) % Gravel ount of vegetation of	% Sar or algal gro			% Silt ent site)	% N	fud/Clay	30	% Bedrock
Water Char	acteristics	*: (Mar Sewage	k all that apply.)	CI	nemical	X	None		Other;		
Color:	QZ	Clear	☐ Green	□G	гау] Milky		Other:		
Bottom De		Sludge	Solids		ne sediments		None	<u> </u>	Other:		
*This informaticomprehensive decision on the	Please atta	ne used s ng of wat se analys reby af	V	s (including farecreations sequently, conditions to f my k	onal use design this informatio that need furth	ion natio n is er a hat	on but rathe not intendenalysis or t	r is to pred to dire hat effect mation	rovide a m ectly influent another	ore ence a use.	his UAA
		0,1,0					•				_
Organization	٠	NOW			Positioi	n: _	<u> </u>	7			_

WBID 1445-Downstream-04



WBID 1445-Upstream-04a



WBID 1445-Upstream-04b



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: '	1445-5		Site Location Description:			
Site GPS Coordinates:		1 3991	CR 55	ર~ીતું		
Date & Time: . 6	22/05/		Facility Name:			
Personnel:			Permit Number:			
Current Weather Cond	2.33	-	Weather Conditi	ions for Past 7 days:	20~	
Photo Ids: Upstream:			NUUS-S Other			
	W_DQ 1793 =	V-M1	21412			
es Observed*:						
Swimming	Skin diving	☐ sc	UBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	Box	ating	Wading	Rafting	
Hunting	☐ Trapping	Fis	hing	None of the above	Other:	
Describe: (include num		reating, freque	ency of use, photo-	documentation of evidence	of recreational uses, et	
some tr	des			documentation of evidence		
some tr	ons*: (Mark all that p	promote or im	spede recreational t	uses. Attach photos of evide	ence or unusual	
rrounding Condition	des	promote or im				
rrounding Conditions of interest.)	ons*: (Mark all that p	promote or im	spede recreational t	uses. Attach photos of evide	ence or unusual	
rrounding Conditions of interest.)	ons*: (Mark all that p	promote or im	spede recreational to enservation lands	uses. Attach photos of evide	ence or unusual	
rrounding Conditions of interest.) City/county parks Boating accesses	Ons*: (Mark all that p	oromote or im MDC co	spede recreational to enservation lands	uses. Attach photos of evide	ence or unusual	
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	Ons*: (Mark all that p	oromote or im MDC co National	spede recreational to enservation lands	uses. Attach photos of evide	ence or unusual	
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	Ons*: (Mark all that p Playgrounds State parks Fence	oromote or im MDC co National Steep sk	epede recreational to enservation lands forests opes	uses. Attach photos of evide Urban areas Nature trails Other:	cnce or unusual Campgrounds Stairs/walkway	

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Data Sheet B - Site Characterization

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Stream Morpholo Upstream View		Dimensions:					
Riffle Widtl	X	Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):
Run Widt	n (ft):	Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):
Pool Width	1 (ft): 50	Length (ft):	300	Avg. Depth (ft):	(Max. Depth	(ft): 1 ½
Flow Prese	CONTRACTOR AND ADDRESS OF THE PARTY.	s 🗌 No		Estimated (ft ³ /sec	c):		
Downstream V	iew Physic	cal Dimensions:					
☐ Riffle Width	-	Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):
Run Widt	n (ft): 20	Length (ft):	300	Avg. Depth (ft):	2/3	Max. Depth	(ft): 1.
Pool Widt		Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):
Flow Prese	nt? 🛚 Ye	s No		Estimated (ft ³ /sec	c):		
Aquatic Vegetation	In . (note a	mount of vegetation	or argar grow	th at the assessm	ient site)	3	Tik name - Name
Water Character	istics*: (M	ark all that apply.)					
Odor:	☐ Seway	ge Musky	Che	emical 🔀	None	Other:	
Color:	Clear	Green	Gra	y 🗀] Milky	Other:	INSY -
Bottom Deposit:	Sludg	e 🔲 Solids	☐ Fin	e sediments	None	Other:	J1 .
Surface Deposit:	Oil	☐ Scum	☐ Foa	ım 💢	None	Other:	
*This information is no comprehensive undersidecision on the recreation. I, the undersigned datasheet is true.	ot to be used tanding of wition use analyd, hereby and accur	affirm to the besate.	of a recreation nsequently, the conditions the	nal use designation is information is nat need further a	on but rather not intende malysis or to	r is to provide a mod to directly influent	ore ence a use.
Organization:	ONR	<u> </u>	<i>30</i>	Position: _	354		

WBID 1445-Downstream-05



WBID 1445-Upstream-05



L. Pomme de Terre River (WB1445)Polk & Greene Counties, Missouri

